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Jameco Part Number 201857

Protek
P-3502C

20 MHz Dual Trace with Component Tester

- ◆ Wide bandwidth & high sensitivity
- ◆ Built in component tester displays component function and interaction
- ◆ The best price/performance available from any oscilloscope
- ◆ High brightness CRT with internal graticule
- ◆ Front panel electrical trace rotator
- ◆ High frequency rejection filter in the trigger circuit
- ◆ TV Video Synch filter

◆ VERTICAL AMPLIFIER CH A and CH B

Sensitivity: 5mV/Div to 20V/Div in 12 calibrated steps (1-2-5) seq.
Accuracy: $\pm 3\%$
Bandwidth: (-3dB) DC to 20MHz
Rise Time: <17ns
Input Impedance: 1M Ω + 20pF
Input Coupling: AC-GND
Invert Channel: CH B
Display Modes: CH A, CHB Add and Dual
Chop Frequency: 200KHz $\pm 3\%$
Channel Separation: >60dB at 1kHz
Maximum Input voltage: 300VDC or AC peak

◆ HORIZONTAL SWEEP

Sweep time: 0.2 μ S/Div to 0.5S/Div in 20 calibrated steps (1-2-5 sequence)
X10 Magnifier: 40ns/Div to 0.1S/ Div
Accuracy: $\pm 3\%$ ($\pm 5\%$ in x 5 Magnifier)
Sweep Modes: Auto, Norm and Single
Sweep Magnifier: x5 $\pm 5\%$

◆ HORIZONTAL AMPLIFIER

Linearity: $< \pm 3\%$
X-Y mode: CH A: Y axis, CH B: X axis
Sensitivity: Same as CH B vertical amplifier setting
Bandwidth: (-dB): DC to 1MHz; AC: 10Hz to 1MHz
Phase Error: $< 3^\circ$, DC to 50KHz

◆ TRIGGERING

Source: Int. CHB, Line, and Ext
Coupling: AC, AC-LF, TV-L And TV-F
Slope: Positive (+) or Negative (-)
Trigger Sensitivity: Int: 20Hz to 20MHz;
 Ext: 20Hz to 20MHz: 1V P-P
TV Sync: TV-H: 50 μ S/Div to 0.2 μ S/Div; TV-V
 0.5S/Div to 0.1mS/Div (automatically switched
 by the Time/Div. front panel control)
AC-LF Band-pass: 10Hz to 50KHz

External Trigger

Input Impedance: 1M Ω and 20pf capacitance
Max. Input V: 50 DC or Peak

◆ Z AXIS MODULATION

Sensitivity: 3V p-p TTL level (Intensity increases with a positive going input)
Bandwidth: DC to 1MHz
Input Impedance: Approx. 5K Ω
Maximum Input Voltage: 50VDC or AC peak

◆ CALIBRATOR SIGNAL

Freq: Approx. 1KHz
Voltage: 1V p-p $\pm 2\%$
Duty Cycle: Approx. 50%

◆ CRT

Type: 6" rectangular with illuminated 8" x 10" internal graticule 1 Div = 1cm.
Acceleration Voltage: 2KV

◆ GENERAL SPECIFICATION

Power Requirements: AC input voltage: 100V, 120V, 220V or 240V $\pm 10\%$ selectable
Frequency: 50/60V
Power Consumption: Approx 19 watts
Operating Temperature: 5° C to 35° C
Size: 5.75" (H) x 14" (W) x 17" (L)
 (147mm x 356mm x 435mm)
Weight: Approx. 15 1/2 lbs (7kg)
Supplied Accessories: AC power cord,
 2 (x1, x10) probes and operation manual

PHOTO TO COME

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